

PTO/SB/08A (08-03)  
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

### Complete if Known


Application Number	10/674,203
Filing Date	09/29/2003
First Named Inventor	Deamaley
Art Unit	1742
Examiner Name	Not Yet Assigned
Attorney Docket Number	SwRI-2834-03

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
JA		US- 3,915,757	10-28-1975	Engel	
		US- 4,105,443	08/08/1978	Deamaley	
		US- 4,181,590	01/01/1980	Fujishiro	
		US- 4,352,698	10/05/1982	Hartley	
		US- 4,465,524	08/14/1984	Deamaley	
		US- 4,568,396	02/04/1986	Vardiman	
		US- 4,847,504	07/11/1989	Aitken	
		US- 5,041,361	08/20/1991	Tsuo	
		US- 5,224,249	07/06/1993	Kornely, Jr.	
		US- 5,449,920	09/12/1995	Chan	
		US- 5,473,165	12/05/1995	Stinnett	
		US- 5,527,731	06/18/1996	Yamamoto	
		US- 5,780,862	07/14/1998	Siess	
		US- RE 36,760	07/04/2000	Bloomquist	
		US- 6,086,726	07/11/2000	Renk	
		US- 5,882,439	03/16/1999	Nakahama	
		US- 5,676,701	10/14/1997	Yuan	
		US- 5,415,704	05/16/1997	Davidson	
		US- 2,685,543	08/03/1954	Sinderbrand	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number * Kind Code <sup>4</sup> (if known)				
JA		JP-402297466-A	12/ /1990	Hitachi Koki Co		
		JP-360128269-A	07/ /1985	Mazda Motor Co		

Examiner Signature		Date Considered	2-7-06
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Sheet 2 of 2	Attorney Docket Number	SwRI-2834-03	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JL		HAY et al., Instrumented Indentation Testing, ASM Handbook Committee, 2000, pp. 1-15, Volume 8.	
DA		LI, On Two Indentation Hardness Definitions, Surface and Coatings Technology, 2002, pp. 124-130, Vol. 154.	

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Sheet 1 of 1

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		US- 2003/0041924 A1	03-06-2003	Deamaley et al.	
		US- 6,723,177 B2	04-20-2004	Deamaley et al.	
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